

1.2
WARWICK SANITARY LANDFILL



SDMS DocID 583378

City or Town: Warwick

County: Providence

Acres: 50

Ownership: Private

Operation: Private

Year Established: 1970

Life Expectancy: No Estimate

Landfill Method

Warwick utilizes a variation of the area method.

Hydrogeological Conditions

Surficial geology in this area is made up of outwash. Outwash composition is medium to coarse grained sand and gravel interbedded with fine sand, silt, and clay; unconsolidated; generally well sorted and stratified and forms a relatively thick blanket over the bedrock.

The bedrock at the Warwick Sanitary Landfill is made up of consolidated igneous, metamorphic and sedimentary rocks and bedrock is set approximately 70 feet below the surface.

Comments

The Warwick Sanitary Landfill is owned and operated by the Sanitas Corporation, a private commercial refuse collecting company. All solid waste collected in Warwick is deposited at this landfill site.

The most up-to-date equipment is used in this sanitary landfill operation and this sanitary landfill is recognized as a good operation by the department of health.

One of the disadvantages this sanitary landfill has is the same problem most sanitary landfills in Rhode Island have, that being the geographic location. This landfill was developed in a low lying area which is classified (S2) Mineral Swamp by the Rhode Island Department of Natural Resources. Although the landfill is operated properly, leachate could move more readily through the swampy area than through a land base more suitable for sanitary landfill practices.

Drainage moves in a westerly direction toward Buckeye Brook. This Brook is classified a class B waterway by the Rhode Island Department of Health.